

KOGAN, Vladimir Borisovich, doktor tekhn. nauk, Laureat Leninskoy premii; SHUR, Ye.I., red.; LEVIN, S.S., tekhn. red.; FOMKINA, T.A., tekhn. red.

[Azeotropic and extractive rectification] Azeotropnaia i ekstraktivnaia rektifikatsiia. Leningrad, Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1961. 314 p. (MIRA 15:2)
(Distillation, Fractional) (Azeotropy)

LEBEDEV, A.V., red.; PEYZNER, A.B., red.; FERMOR, N.A., red.; SHUR,
Ye.I., red.; FOMKINA, T.A., tekhn. red.

[Synthesis of latexes and their uses] Sintez lateksov i ikh pri-
menenie. Pod red. A.V.Lebedeva, A.B.Peiznera, N.A.Fermora. Le-
ningrad, Gos. nauchno-tekhn.izd-vo khim. lit-ry, 1961. 367 p.
(MIRA 15:2)

1. Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy institut
sinteticheskogo kauchuka. 2. Vsesoyuznyy nauchno-issledova-
tel'skiy institut sinteticheskogo kauchuka im. akad. S.V.
Lebedeva, Leningrad (for Lebedev, Fermor).
(Rubber, Synthetic)

BAGDASAR'YAN, S.M., prof.; IVANOV, B.A.; PREOBRAZHENSKAYA, M.M.;
RZHANOVICH, P.K.; SHUR, Ye.I.; SAFONOVA, M.I.; SMIRNOV, Z.,
red.

[Dissertations for the degree of Doctor and Candidate of
Medical Sciences defended from 1951 to 1955] Dissertatsii
na stepen' doktora i kandidata meditsinskikh nauk, za-
shchishchennye v 1951-1955 gg. Pod red. S.M. Bagdasar'iana.
Moskva. Vol.3. Pt.1. Bibliografiia. 1962. 303 p.
(MIRA 17:1)

1. Akademiya meditsinskikh nauk SSSR. Moscow. Otdel nauch-
noi meditsinskoy informatsii.

TEMNIKOVA, Tat'yana Ivanovna; KHAVIN, Z.Ya., red.; SHUR, Ye.I.,
red.; ERLIKH, Ye.Ya., tekhn. red.; FOMKINA, T.A.,
tekhn. red.

[Course in the theoretical principles of organic chemistry]
Kurs teoreticheskikh osnov organicheskoi khimii. Izd.2.,
perer. i dop. Leningrad, Goskhimizdat, 1962. 948 p.

(MIRA 16:1)

(Chemistry, Organic)

KUL'BA, Fedor Yakovlevich; MIROMOV, Viktor Yevgen'yevich; SHUR,
Ye.I., red.; ERLIKH, Ye.Ya., tekhn. red.

[Chemistry of thallium; complex compounds] Khimiia talliia;
kompleksnye soedineniia. Leningrad, Goskhimizdat, 1963.
206 p. (MIRA 16:12)

(Thallium compounds)

SAZHIN, Boris Ivanovich; MIKHAYLOV, G.P., prof., red.; SHUR, Ye.I.,
red.

[Electric conductivity of polymers] Elektroprovodnost'
polimerov. Moskva, Izd-vo "Khimiia," 1964. 115 p.
(MIRA 17:6)

SHUR, Ye.I., red.

[Polymerization of isoprene with complex catalysts] Polimerizatsiia izoprena kompleksnymi katalizatorami. Moskva, Khimiia, 1964. 155 p. (MIRA 18:3)

1. Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka.

SEMENOVA, A.S.; PARAMONKOV, Ye.Ya.; FEDOTOV, B.G.; GOL'DENBERG,
A.L.; IL'CHENKO, P.A.; CHAPLINA, A.M.; SKURIKHINA, V.S.;
SAZHIN, B.I.; MATVEYEVA, Ye.N.; KOZOLIA, A.A.; DYN'KINA,
G.M.; SIROTA, A.G.; KYBIKOV, Ye.P.; GERBILSKIY, I.S.;
SHCHUTSKIY, S.V., red.; SHUR, Ye.I., red.

[Medium pressure polyethylene] Polietilen srednego davleniia.
Moskva, Khimiia, 1965. 89 p. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut polimerizatsionnykh
plastmass (for all except Shchutskiy, Shur).

SHUR, Yu.B., inzh.

Simplification in the design of equipment foundations at electric substations. Energetik 8 no.8:23 Ag '60. (MIRA 13:10)

(Electric substations)

(Electric machinery--Foundations)

SHUR, Yu.B., inzh.

Concerning E.P. Bondar's article "Erection of an electric power
transmission line span across the Sheksna River." Elek. sta. 32
no.7:86 JI '61. (MIRA 14:10)
(Sheksna River--Electric lines--Overhead)

LYSKOV, Yu.I., inzh.; SPUD, Yu.B., inzh.; YAKUB, Yu.A., inzh.

Spark connection and forcing of reactors in long-distance power
transmission lines. Energetik 12 no.6:1-6 Je '64.

(MIRA 17:9)

SHUR, Yu.B., inzh.; VISYASHCHEV, A.N., inzh.

Location of damages in electric power transmission lines. Elek.
sta. 35 no.11:50-51 N '64. (MIRA 18:1)

KLETSKIY, V.P., inzh.; SHUKH, Yu.B., inzh.

Increase in the reliability of the electric power supply of traction
substations. Elek. sta. 36 no.9:79 3 '65. (MIRA 18:9)

SHOR. Yu.B., inzh.

Cleaning of insulators by means of compressed air. Elek. sta. 36
no.10:82-83 0 '65. (MIRA 18:10)

L 16459-66

ACC NR: AP6009074

SOURCE CODE: UR/0105/65/000/004/0014/0019

AUTHOR: Dmokhovskaya, L. F. (Candidate of technical sciences); Dzhunkovskiy, O. N. (Engineer); Lytkov, Yu. I. (Engineer); Nebrat, L. E. (Engineer); Spuv, G. S. (Engineer); Shur, Yu. B. (Engineer); Yakub, Yu. A. (Engineer) 24

ORG: none B

TITLE: Development and introduction of spark connection and forcing of reactors in long distance electrical transmission U

SOURCE: Elektrichestvo, no. 4, 1965, 14-19

TOPIC TAGS: electric power transmission, electric distribution equipment, high voltage line

ABSTRACT: The introduction of high voltage, high power electric power transmission was greatly aided by the switch from limiting power to suit the capacity of insulation and transmission structures under all possible conditions to the limitation of loads to suit the capacities under normal conditions and the installation of reactors and circuit breakers to prevent sudden overloads. One remaining problem was the slow action of mechanical switching devices. This has been defeated by the installation of spark gaps. The reactors are constantly connected to the line through spark gaps, across which a spark arcs almost instantaneously in case of overload. A 500 kv transmission line was

Card 1/2

UDC: 621.311.1 2

L 16459-66
ACC NR: AP6009074

set up between the Bratsk power station and Irkutsk and tests and analysis of the operation of the equipment described were run. It was discovered that overloads occurred mostly in the second or third half-cycle of operation. It was also discovered that it is profitable to install spark-operated reactors at substations, even at terminal stations in many cases. Diagrams and photographs of the equipment, as well as a table showing the results of investigations on a model of internal overloads and the influence on them of various means of connection of the 500 kv reactors, are presented. Analysis showed that the devices worked reliably and safely, and that the internal resistance of the spark in the gap could be ignored. Orig. art. has: 4 figures and 1 table. [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 007 / OTH REF: 001

Card 2/2 mc

SHUR Yezh.

Uniform that is under construction. Mat k uch. o merz. son.
zam. kopy no. 9019-37 163 (MIRA 18:1)

SEMENOV, L.P.; FEL'DMAN, G.M.; SHUR, Yu.L.

Thermal regime of petroleum pipelines. Mat. k osn. uch. o
merz. zon. zem. kory no.7:119-131 '61. (MIRA 14:7)
(Petroleum—Pipelines)
(Frozen ground)

PORKHAYEV, G.V., kand.tekhn.nauk; FEDOROVICH, D.I.; SHEYKIN, I.V.;
DUKHIN, I.ie.; SHCHELOKOV, V.K.; SHUR, Yu.L.; FEL'DMAN, G.M.;
FILIPPOVSKIY, S.M.;

[Thermal physics of freezing and thawing soils] Teplofizika
promerzaiushchikh i protaivaiushchikh gruntov. Moskva, Nauka,
1964. 195 p. (MIRA 17:8)

1. Moscow. Institut merzlotovedeniya.

СНИИ, А. И.

29353. Osobnosti kliniki cheljuostnoro protezirovaniya pri defektakh kostey
verkhney i nizhney chelustey. Trudy Kolotovsk. gos. stomatol. in-ta, v. 8,
1949, S. 82-100.-Bibliogr: 20 nazv.

SO: Letopis' zhurnal'nykh Statel', Vol. 39, Moskva, 1949

SHUR, Z.Yag, dotsent

Correcting the defects of teeth rows by nonremovable prosthesis
with convergent supporting teeth. Stomatologiya no.6:55-56 N-D '54.
(DENTAL PROSTHESIS (MLRA 8:1)
unremovable, with convergent supporting teeth)

SHEN, Z. Ya., *Med. Sci.* — (disc) "Orthopedic treatment and prosthesis
 → of ~~facial~~ ^{mouth} ~~wounds and diseases~~." *Dokl.*, 1957. 26 pp with ill
 (Hon. State Order of Lenin Inst for the Advanced Training of Phy-
 sicians in S.M. Kirov), 200 copies (71,31-50, 11')

Experiments on maxillo-facial wounds and diseases

ACC NR: ARG035051

SOURCE CODE: UR/0058/66/000/008/E071/E071

AUTHOR: Bodyul, P. P.; Krapivnyy, V. M.; Shura, V. K.

TITLE: Temperature dependence of some electric properties of indium arsenotelluride alloys containing bismuth impurities

SOURCE: Ref. zh. Fizika, Abs. 8E539

REF SOURCE: Sb. Materialy IV Konferentsii molodykh uchenykh Moldavii, 1964. Sekts. fiz.-matem., Kishinev, 1965, 3-6

TOPIC TAGS: bismuth containing alloy, indium containing alloy, tellurium containing alloy, thermal emf, resistivity, solid solution

ABSTRACT: The temperature dependence of the resistivity and thermal emf of solid $(\text{InAs})_{3x}(\text{In}_2\text{Te}_3)_{1-x}$ solutions has been investigated. It is shown that in the proximity of the composition $x = 0.5$, both possess high values of the electrothermic Q-factor (Z). Additions of Bi in concentrations of up to 0.5% makes it possible to increase Z; a further increase in Bi concentrations (up to 2%) has no influence on the electric properties of the material. V. Shevchenko. [Translation of abstract] [DW]

SUB CODE: 20/

Card 1/1

PARFIANOVICH, I.A.; SHURALEVA, Ye.I.; DOBRZHANSKIY, G.F.; MAGARIL, I.G.;
KAZINTSEVA, M.D.

Some data on the luminescent properties of NaCl - Eu and KCl - Eu
phosphors. Izv. AN SSSR. Ser.fiz. 29 no.3:409-411 Mr '65.

(MIRA 18:4)

1. Irkutskiy gosudarstvennyy universitet.

PARFIANOVICH, I.A.; SHURALEVA, Ye.I.; BABIN, P.A.; IVAKHNENKO, P.S.

Activator absorption of NaCl - Pb and KCl - Pb phosphors. Izv.
AN SSSR. Ser.fiz. 29 no.3:417-419 Mr '65.

Some data on the properties of induced activator centers in
NaCl - Ag and KCl - Ag phosphors. Itid.:427-430

(MIRA 18:4)

1. Irkutskiy gosudarstvennyy universitet i Khabarovskiy
gosudarstvennyy pedagogicheskiy institut.

USSR / Meadow Cultivation

L

Abs Jour: Ref Zhur-Biol., Vol 13, 1958, 58452

Author : Shur-Bagdasaryan, E. F.

Inst : Armenian Scientific-Research Institute of Cattle Husbandry and Veterinary Science

Title : The Influence of Doses of Full Mineral Fertilization on the Efficiency of Alpine Meadows

Orig Pub: Byul. nauchno-tekhn. infrom. Arm. n.-c. in-ta zhivotnovodstva i veterinarii, 1957, No 1, 31-33

Abstract: The experiments, conducted in the fall of 1952 on alpine meadows of Gegam Ridge, showed that the application of full mineral fertilizers in doses of 60 kg/ha has a positive effect for two to three years. A single placement of full mineral fertili-

Card 1/2

15

USSR/Meadow Cultivation.

L

Abs Jour : Ref Zhar Biol., No 14, 1958, 63256

Author : Shur-Bagdasaryan, E.E.

Inst : Armenian Scientific Research Institute of Animal
Husbandry and Veterinary Medicine

Title : Concerning the Effectiveness of the Autumnal Introduc-
tion of Fertilizers into the Alpine Meadows of the
Armenian SSR.

Orig Pub : Tr. Arm. n.-i. in-ta zhivotnovodstva i veterinarii.
1957, 2, 239-244.

Abstract : In alpine zone (Gegam Ridge) conditions, the autumnal
introduction of mineral fertilizers contributes toward
a greater crop increase than a spring introduction does.
Autumnal fertilization improves the composition of gras-
ses considerably, even at the beginning of the pasture
season.

Card 1/1

REF ID: A66777 I

ORIGIN : Meadow Cultivation.

ABS. JOUR. : REF ZHUR - BIOLOGIYA, NO. 4, 1959, No. 15533

AUTHOR : Shur-Bogdasaryan, E.F.

INST. : Armenian Sci. Res. Inst. of Animal Husbandry*

TITLE : Effect of Liquid Manure on the Productivity of Alpine Meadow.

ORIG. PUB. : Byul. nauchno-tekhn. inform. Arm. n.-i. in-ta zhivotnovodstva i veterinarii, 1958, No.2, 43-44

ABSTRACT : The application of liquid manure on alpine meadows raised the crop yield by 32.1 % on the average for three years, and with the addition of superphosphate to the manure the productivity was raised by 104.4 %. In the latter case the legume content in the grasses is increased as much as 30 %.

* and Veterinary Medicine

CARD: 1/1

SHUR-BAGDASARYAN, E.F.

Reproduction of plants in alpine meadows with *Alchemilla caucasia*.
Izv. AN Arm. SSR. Biol. nauki 14 no.3:81-85 Mr '61. (MIRA 14:3)

1. Institut zhiivotnovodstva i veterinarii Ministerstva sel'skogo
khozyaystva AN ArmSSR.

(PASTURES AND MEADOWS)

(PLANTS—REPRODUCTION)

(ALPINE FLORA)

SHUR-BAGDASARYAN, E.F.

Change in the quantitative relations among the species of plants of an Alpine meadow under the effect of fertilizers. Izv. An Arm. SSR. Biol. nauki 17 no.3:9-16 Mr '64. (MIRA 17;5)

1. Institut pochvovedeniya i agrokhimii Ministerstva proizvodstva i zagotovok sel'skokhozyaystvennykh produktov ArmSSR.

SHUR-BAGDASARYAN, E.F.; KAZARYAN, M.S.

Change in the vegetation and soils of pastures in the upland
steppes of the Armenian S.S.R. caused by overgrazing. Izv.
AN Arm.SSR.Biol.nauki 19 no.10:43-49 0 '65. (MIRA 18:12)

1. Armyanskiy institut pochvovedeniya i agrokhimii.

KLEYN, B.I.; SHUR-SHUL'TS, V.N.

Effect of a specific bacteriophage on the morphological, cultural,
and enzymatic nature of *Cl. welchii*. Mikrobiol.zhur. 9 no.2/3:81-87
'48. (MIRA 9:9)

1. Iz otdela bakteriofagii (zav. otdelom - B.I.Kleyn) Instituta
mikrobiologii imeni akademika D.K.Zabelotnogo Akademii nauk USSR.
(BACTERIOPHAGY) (CLOSTRIDIUM PERFRINGENS)

SHAR-SHAL'TTS, N.A.

Klym, F.I. and Shar-Shal'tts, N.A. "The influence of the bacteriophage on the fermenting activity of nonpathogenic microbes", Mikrobiol. zhurnal, Vol. 2, No. 1, 1948, p. 87-95, (In Ukrainian, resume in Russian).

SHUR-SHUL'TTS, V. N.

Shur-Shul'tts, V. N. and Vizir', P. Ye. - "Synergic activity of penicillin and bacteriophage on dysentery and typhus microbes", Mikrobiol. zhurnal, Vol. XI, Issue 1, 1949, p. 82-90, (In Ukrainian, resume in Russian), - Bibliog: 5 items.

SO: U-4329, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 21, 1949).

USSR/Medicine, Biology - Bacteriophage Feb 50

"Effect of Bacteriophage on the Formation of Catalase and Fermentation of Carbohydrates by Various Bacteria," V. N. Shur-Shul'ts, Div of Bacteriophage, Inst Microbiol Imenti Acad D. K. Zabolotnyy, Acad Sci Ukrainian SSR

"Mikrobiologichny Zhur" Vol XI, No 4, pp 62-73

Sp bacteriophage stimulates formation of catalase in the lysis of Aerobacter aerogenes and B. paratyphi B, activates intracellular formation of this enzyme in cells in the process of division and in the state of rest, and does not have any effect on

203T83

USSR/Medicine, Biology - Bacteriophage Feb 50
(Contd)

catalase in filtrates of bacterial cultures. Sp bacteriophage suppresses decompn of glucose by Aerobacter aerogenes, B. paratyphi B, B. proteus vulgaris, and X₁₉'

203T83

SHUR-SHUL'TS, V. N.

VIZIR, P.E.; SHUR-SHUL'TS, V.M.; PASECHNIK, A.M.

Variability of microorganisms during assimilation of bacterial products. Report No.1; General biochemical and serological characteristics of variants. Mikrobiol. zhur. 15 no.3:3-16 '53. (MLRA 8:1)

1. Z Institutu mikrobiologii AN URSR.

(BACTERIA,

*variability, biochem. & serol. properties of variants)

VIZIR, P.Ye.; PASICHNIK, A.M.; SHUR-SHUL'TS, V.M.

Variation of microorganisms under the effect of assimilation of
microbial products. Second report: Biological characteristics of
paratyphoid-like variations. Mikrobiol.zhur. 15 no.4:3-13 '53.
(MLRA 7:2)

1. Z Institutu mikrobiologii Akademii nauk Ukrain's'koi RSR.
(Microorganisms) (Escherichia coli)

SHUR-SHUL'TTS, V.M.

VIZIR, P.Ye.; PASICHNIK, A.M.; SHUR-SHUL'TTS, V.M.

Effect of assimilation of microbial products on variability in micro-organisms. Report No.III. Effect of forced assimilation of complete antigen, nucleoproteins, and desoxyribonucleic acid of the Bacterium breslau cell on the variability of Bacterium coli. Mikrobiol. zhur. 17 no.1:5-11 '55 (MIRA 10:5)

1. Z Institutu mikrobiologii AN URSS
(ESCHERICHIA COLI,

variability, eff. of forced assimilation of prod. of Salmonella breslau) (Uk)

(SALMONELLA,

typhimurium products, eff. of forced assimilation on E. coli variability) (Uk)

VIZIR, P.Ye.; PASICHNIK, A.M.; SHUR-SHUL'TTS, V.M.

Filtrable forms of Bact. breslau. Report No.1: Method of producing
and regenerating filtrable forms. Mikrobiol. zhur. 17 no.2:7-10
'55 (MLRA 10:5)

1. Z Institutu mikrobiologii AN URSR.
(SALMONELLA, culture,
typhimurium, prod. of filtrable forms) (Uk)

SHUR-SHUL'TTS, V.M.

VIZIR, P. Ye.; PASICHNIK, A.M.; SHUR-SHUL'TTS, V.M.

Filtrable forms of Bact. breslau. Report No. 2: Brief biological characteristic of cultures during the process of regeneration. (MLRA 10:5)
Mikrobiol. zhur. 17 no.3:8-13 '55

1. Z Institutu mikrobiologii AN URSR.
(SALMONELLA,
typhimurium, filtrable forms, regen.) (Ukr)

SHURA-BURA, P. L.

USSR/Medicine - Epidemiology, Carriers of May/Jun 52
Infectious Diseases

"Experiments on the Study of Migration of Domestic
Flies by the Method of Radioactive Indicators,"
B. L. Shura-Bura, Chair of Epidemiol, Naval Med Acad

"Zool Zhur" Vol XXXI, No 3, pp 410-412

Carried out expts on tracing the flight of flies,
which may act as transmitters of infectious diseases,
with the aid of radioactive phosphorus. The work in
question was done in the Crimea.

223T38

SHURA-BURA, B.L.

Contamination of fruit by synanthropic flies. Ent.oboz. 32:117-
125 '52. (MLRA 7:1)

1. Kafedra epidemiologii Voyenno-Morskoy meditsinskoy akademii,
Leningrad. (Flies)

SHURA-BURA, B. [L.]

"Family Muscidae - true flies (tribes Muscini and Stomoxydini);
fauna of the U.S.S.R." L.S.Zimin. Reviewed by B.Shura-Bura.
Ent.oboz. 32:349-350 '52. (MLRA 7:1)
(Flies) (Zimin, L.S.)

SHURA-BURA, B. L.

AID P - 2886

Subject : USSR/Medicine
Card 1/1 Pub. 37 - 3/20
Author : Shura-Bura, B. L., Dr. Med. Sci.
Title : ~~STUDY OF THE MIGRATION OF FLIES FROM A DUMP BY THE~~
Method of tagged atoms
Periodical : Gig. i san., 9, 12-15, S 1955
Abstract : Describes investigations made for determining the natural migrations of flies from city dumps to residential parts of the city. The flies were marked by radioactive substances in food lures. Recommendations for the disinfection of refuse dumps are made. 2 tables. 8 refs.
Institution : Chair of Hygiene and Epidemiology, Leningrad First Medical Institute im. Acad. I. P. Pavlov
Submitted : Mr 4, 1955

SHURA-BURA, B.L.

Species composition and biological characteristics of synanthropic flies (Diptera) in southern districts of Leningrad Province. Ent. oboz. 34:203-209 '55. (MLRA 9:5)

1. Kafedra epidemiologii Voyenno-morskoy meditsinskoy akademii, Leningrad.

(Leningrad Province--Flies)

SHURA-BURA, B. I.

The Use of Sea Water For Desinfection Purposes.

Voyenno-meditsinskiy zhurnal, No. 3 March 1956

SHURA-BURA, B.L.; SHAYKOV, A.D.; IVANOVA, Ye.V.; GLAZUNOVA, A.Ya.,
MITRYUKOVA, M.S.; FEDOROVA, K.G.

Migration of synanthropic flies to the cities from open fields.
Med.paraz. i paraz. bol. 25 no.4:368-372 O-D '56. (MLRA 10:1)

1. Iz kafedry voyennoy epidemiologii voyenno-morskogo fakul'teta pri
I Leningradskom meditsinskom institute imeni akademika I.P.Pavlova
i Leningradskoy gorodskoy dezinfektsionnoy stantsii.

(FLIES.

migration to cities (Rus))

~~SHURA-BURA, B.L.~~; IVANOVA, Ye.V.; ONUCHIN, A.N.; GLAZUNOVA, A.Ya.;
SHAYKOV, A.D.

Dispersion of flies from places of mass hatching in Leningrad.
Ent.oboz. 35 no.2:334-346 '56. (MLRA 9:10)

1. Kafedra voyennoy epidemiologii Voyenno-morskogo fakul'teta
pri i Leningradskom meditsinskom institute i Leningradskaya
gorodskaya dezinfektsionnaya stantsiya.
(Leningrad--Flies as carriers of disease)

SHURA-BURA, B.L.; GAGAYEV, V.L.

Luminescent analysis in insect migration studies [with summary in
English]. Ent.oboz.35 no.4:760-763 '56. (MLRA 10:2)

1. Kafedra voyennoy epidemiologii Voenno-morskogo fakul'teta pri
I Leningradskom meditsinskom institute, Leningrad.
(Insects--Migration) (Fluorescence) (Flies)

USSR / Zooparasitology. Acarina and Insects. Vectors G
of Pathogenic Agents. Insects.

Abs Jour: Ref Zhur-Biol., No 6, 1959, 24312.

Author : Shura-Bura, B. L.

Inst : Not given.

Title : Utilization of Radioactive Isotopes in a Study
of the Epidemiological Role of Flies.

Orig Pub: Zh. gigiyeny, epidemiol.; mikrobiol. i immuno-
biol., 1957, 1, No 3, 219-224.

Abstract: Dug-out toilets were marked with a solution of
radioactive Na_2HPO_4 ; after 7 hours among flies
the labeled flies (F) caught in the houses of
the farmstead amounted to 0.8%. For the study
of the flying range of F from the city dumps,
radioactive bait (4-15 μ curie of P^{32} per 1 ml)
was put out. It was established that house F

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...the range of flight of synanthropic
species of F from the garbage dumps were obtained.
In special experiments, a marked culture of the
dysentery bacillus (DB) of Flexner, grown on
radioactive agar, was fed to the flies. 24 hours

APPROVED FOR RELEASE: 08/23/2000 2/3 CIA-RDP86-00513R001550220017-8"

after feeding, radioactivity remained in the intestines of F; the rest
was distributed in various tissues of F, which
is explained by the digestion of DB. -- I. V.
Razumova.

Card 2/2

SHURA-BUBA, B.L.

CHURA-BUBA, B.L.

Use of radioactive isotopes in the study of epidemiological role of flies. J. Hyg. Epidem., Praha 1 no.3:249-255 1957.

1. Academie des Sciences Medicales S. M. Kiroff, Leningrade.

(FLIES,

labeling cesspools with radiophosphorus in determ. of role of flies in dis. transm. (Fr))

(SEWAGE

same)

(COMMUNICABLE DISEASES, transmission,

same)

(PHOSPHORUS, radioactive,

labeling cesspools in determ. of role of flies in dis. transm. (Fr))

SHURA-BURA, B.L.

Causes of the lack of effect of benzene hexachloride on flies in Sevastopol' [with summary in English]. Med.paraz.i paraz.bol. 26 no.1:26-31 Ja-F '57. (MLRA 10:6)

1. Iz I Leningradskogo meditsinskogo instituta imeni akademika I.P.Pavlova.

(BENZENE HEXACHLORIDE, eff.

resist. of flies in Sevastopol, Russia)

(FLIES

control, resist. of flies in Sevastopol to benzene hexachloride)

SHURA-BURA, B.L. (Leningrad)

~~Use of tagged atoms in entomology. Usp.sovr.biol. 44 no.1:103-120~~
J1-Ag '57. (MIRA 10:10)
(RADIOACTIVE TRACERS) (ENTOMOLOGY)

USSR / Zooparasitology. Acarina and Insects. Vectors G
of Pathogenic Agents. Insects.

Abs Jour: Ref Zhur-Biol., No 6, 1959, 24302.

Author : Shura-Bura, B. L., Shaykov, A. D., Ivanova, Ye.
V., Glazunova, A. Ya., Mitryukova, M. S., Fed-
orova, K. G.

Inst : Not given.

Title : On the Character of Spreading of Some Species of
Synanthropic Flies from the Point of Release.

Orig Pub: Entomol. obozreniye, 1958, 37, No 2, 336-346.

Abstract: The point where flies were released was in a
little populated area 0.5 km from the main high-
way, 4-5 km to the east and west from the towns
of Pushkin and Kolpino, 15 km. to the south of
the Leningrad suburbs. For the experiment, a-
bout 85 thousand flies were prepared. 24 hours

Card 1/3

44

USSR / Zooparasitology. Acarina and Insects. Vectors G
APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550220017-8"
of Pathogenic Agents. Insects.

Abs Jour: Ref Zhur-Biol., No 6, 1959, 24302.

Abstract: before the experiment, the flies received no
food. For three hours before being freed, the
flies were fed a fermenting solution of sugar,
and rotted meat filling to which a solution of
radioactive sodium phosphate was added. Catch-
ing of the flies was conducted from 1-15 km from
the point of freeing, at 45 points by net traps,
and at 5 by fly paper. Maximum distance of flight
(in km): *Muscina stabulans* and *Hydrotaca den-
tipes* 15, *Protophormia terrae-novae* and *Musca
domestica* 10.7, *Calliphora uralensis* 8.6, *Lucilia
caesar* 6.2, *C. erythrocephala* 5, *Muscina assimi-
lis* and *Fannia canicularis* 4.5. Maximum speed of
migration was within the limits of 4 km of unpop-
ulated area. The average speed of flies here
reaches, in a majority of the species, 1 km per

Card 2/3

17(6)

SOV/16-59-6-12/46

AUTHOR: Shura-Bura, B.L.

TITLE: The Use of Chloride Electrolysis Products as New Sporicidal Agents

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1959,^{3c} Nr 6, pp 58-62 (USSR)

ABSTRACT: In 1945 A.I. Iz'yurova and I.P. Ovchinkin attempted to use electrolysed sea water for disinfecting waste water and for decontaminating drinking water. Electrolysis of sea water produces, among other things, hypochlorous acid and hypochlorites and although the bactericidal activity of these products has been studied, the sum disinfective effect of all the products of sodium chloride electrolysis is not known. The aim of the present work was to determine this. The material for the tests was NaCl solutions varying in concentration from 3-20% and sea-water from the North and the Barents Seas. The bactericidal activity of the products of electrolysis was determined with batiste test-objects soaked in suspended agar cultures of: anthracoid, Escherichia coli, Staphylococcus aureus, Salmonella typhosa, Shigella sonnei, Staphylococcus albus, and virulent Bacillus anthracis. The preliminary investigations showed that the products of sea-water electrolysis had marked bactericidal

Card 1/3

SOV/16-59-6-12/46

The Use of Chloride Electrolysis Products as New Sporicidal Agents

effects on the non-spore microbes. The electrolysed solutions killed off the anthracoid spores normally within 10 minutes (with a lower active chlorine content in 15-20 minutes). The Bacillus anthracis spores were killed off within 3 minutes by the electrolysed sea-water (active chlorine 0.4%). The electrolysed solutions were also effective in disinfecting the skin. A 2-10 minute treatment of skin infected with Bacillus prodigiosum or anthracoides usually was enough to clear it completely of the microbes. It was also found that the electrolysis products were non-irritating to the skin and that their corrosive effects were no greater than those of chloride of lime.

There are: 2 photos, 3 tables and 5 references, 4 of which are Soviet and 1 German.

Card 2/3

SOV/16-59-6-12/46

The Use of Chloride Electrolysis Products as New Sporocidal Agents

ASSOCIATION: Voenno-meditsinskaya ordena Lenina akademii imeni Kirova (Order of Lenin Academy of Military Medical Academy imeni Kirov)

SUBMITTED: January 24, 1958

Card 3/3

SHURA-BURA, B.L., professor, polkovnik meditsinskoy sluzhby

Methods for studying the epidemiological role of vectors.
Voen.-med. zhur. no. 6:25-29 Je '60. (MIRA 13:7)
(INSECTS AS CARRIERS OF DISEASE)

SHURA-BURA, B.L.; TARARIN, R.A.; MEL'NIKOV, B.K.

Radioactive tagging of the brown rat as a method of studying migration problems. Zool. zhur. 39 no.11:1700-1706 N '60. (MIRA 14:1)

1. S.M.Kirov Military-Medical Academy, Leningrad and Leningrad
Municipal Disinfection Station.
(Animals, Marking up) (Radioactive tracers)

Handwritten: SURA BURA, B.L. 15-1

SURA BURA, B.L., prof.; MURAVYEV, A.P.; MURASHKO, P.I.

Disinfection of tuberculous sputum using the products from
electrolysis of chlorides. Probl. tub. no. 5:66-69 '61.

(MIRA 15:1)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova.

(CHLORIDES) (SPUTUM--DISINFECTION) (MYCOBACTERIUM TUBERCULOSIS)

SHURA-BURA, B.L.; ZOLOCHEVSKIY, M.A.

Preservation of the phenol resistance of cultures of Eshcherichia coli and staphylococci used for the control of disinfectants. Lab. delo 7 no.6:41-44 Je '61. (MIRA 14:7)

1. Kafedra epidemiologii s dizinfektsiyey Voyenno-meditinskoy ordena Lenina akademii imeni S.M.Kirova.
(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)
(DISINFECTION AND DISINFECTANTS)

SHURA-BURA, B.L.

Method for testing bactericidal properties of disinfectants.
Zhur.mikrobiol., epid. i immun. 32 no.10:31-36 O '61. (MIRA 14:10)

1. Iz Voenno-meditsinskoy ordena Lenina akademii im. Kirova.
(DISINFECTION AND DISINFECTANTS)

SHURA-BURA, B. L., polkovnik meditsinskoy sluzhby, prof.; KRASNOV, M. D.,
polkovnik meditsinskoy sluzhby; MOROZOV, K. A., podpolkovnik
meditsinskoy sluzhby

Organization of the work of clinics for intestinal infections
in the army. Voен.-med. zhur. no.12:39-41 D '61,
(MIRA 15:7)

(DYSENTERY) (MEDICINE, MILITARY)

SHURA-BURA, B.L.; VOROB'YEV, M.I.; SHLYKOV, V.I.

Disinfection of dishes and linen by means of electrolyzed sodium chloride solutions. Zhur.mikrobiol., epid.i immun. 33 no.8:9-14 Ag '62. (MIRA 15:10)

1. Iz kafedry obshchey i voyennoy epidemiologii Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.
(DISINFECTION AND DISINFECTANTS) (BEDDING--DISINFECTION)
(TABLEWARE--DISINFECTION) (SODIUM CHLORIDE)

SHURA-BURA, B.L.; KHARLAMOV, V.P.

Autoradiography as a method of tracing labeled rodents and their ectoparasites in studying migration problems. Zool. zhur. 40 no. 2:258-263 F '61. (MIRA 14:2)

1. Department of Epidemiology, S.M. Kirov Military Medical Academy (Leningrad).
(Animals, Marking of) (Autoradiography)
(Parasites—Rodentia)

ROGOZIN, Isaak Iosifovich, red.; BELYAKOV, V.D., red.; KOROSTELEV,
V.Ye., red.; MIKHAYLOVSKIY, V.T., red.; SOLODILOV, Ye.V.,
red.; LABEZOV, G.I., red.; SHURA-BURA, B.L., red.; DAAL'-BERG,
I.I., red.; LEBEDEVVA, Z.V., tekhn. red.

[Military epidemiology] Voennaia epidemiologia. Leningrad,
Medgiz, 1962. 135 p. (MIRA 15:11)
(EPIDEMIOLOGY) (MEDICINE, MILITARY)

SHURA-BURA, B.L.; ZOLOCHEVSKIY, M.A.

Method for isolating resistant microbial cultures useful for the study of the effectiveness of disinfection. Zhur.mikrobiol., epid. i immun. 33 no.4:115-118 Ap '62. (MIRA 15:10)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni Kirova.
(DISINFECTION AND DISINFECTANTS)
(BACTERIOLOGY--TECHNIQUE)

SHURA-BURA, B.L.; ZOLOCHEVSKIY, M.A.

Methodology of the control of surface disinfection; author's
abstract. Zhur. mikrobiol., epid. i immun. 33 no.7:134
Jl '62. (MIRA 17:1)

1. Iz Voenno-meditsinskoy akademii imeni Kirova.

SHURA-BURA, B.L.; TARARIN, R.A.; KLYUCHNIK, N.S.

Study of the migration of gray rats using labeled atoms. Zhur.
mikrobiol., epid. i immun. 33 no.12:76-81 D '62. (MIRA 16:5)

1. Iz Voenno-meditsinskoy akademii i Leningradskoy portovoy
protivochnoy stantsii.

(RATS) (ANIMAL MIGRATION) PHOSPHORUS ISOTOPES)

SHURA-BURA, B.L.; GLAZUNOVA, A. Ya.

Insecticidal properties of chlorophos paper "Mikhomor". Med.
paraz. i paraz. bol. 32 no.5:554-558 S-0'63. (MIRA 16:12)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova i Leningradskoy gorodskoy dezinfektsionnoy stantsii.

ALEKSANYAN, A.B., prof.; BEZDEMEZHNYKH I.S., doktor med. nauk;
BELYAKOV, V.D., doktor med. nauk; BESSMERTNYI, B.S., dokt.
med. nauk; VASHKOV, V.I., prof.; GRCMASHEVSKIY, L.V.
prof.; YELKIN, I.I., prof.; ZHDANOV, V.M., prof.;
ZHMAEVA, Z.M., kand. biol. nauk; KOVARSKIY, M.S., kand.
med. nauk; NABOKOV, V.A., prof.; NOVOCORODSKAYA, E.M.,
prof.; PAVLOVSKIY, Ye.N., akademik; PETRISHCHEVA, P.A.,
prof.; PERVOMAYSKIY, G.S., prof.; FOGODINA, L.N.; ROGOZIN,
I.I., prof.; SUKHOVA, M.N., doktor biol. nauk; CHASOVNIKOV,
A.A., kand. med. nauk; SHATROV, I.I., prof.; SHURABURA,
B.L., prof.; YASHKUL', V.K., kand. med. nauk;
ZHUKOV-VEREZHNIKOV, N.N., prof., otv. red.; BOLDYREV, T.I.,
prof., red.; ZASUKHIN, D.N., doktor biol. nauk, red.;
KALINA, G.P., red.

[Multivolume manual on the microbiology, clinical aspects
and epidemiology of communicable diseases] Mnogotomnoe ru-
kovodstvo po mikrobiologii, klinike i epidemiologii infek-
tsionnykh boleznei. Moskva, Meditsina. Vol.5. 1965.
548 p. (MIRA 18:3)

1. Deystvitel'nyy chlen AMN SSSR (for Aleksanyan,
Gromashevskiy, Zhdanov, Zhukov-Verezhnikov). 2. Chlen-
korrespondent AMN SSSR (for Rogozin, Boldyrev).

SHURA-BURA, B.L., prof., polkovnik meditsinskoy sluzhby; ZOLOGHEVSKIY,
M.A., kand. med. nauk, podpolkovnik meditsinskoy sluzhby

Disinfection in virus diseases; a review of literature. Voen.-med.
zhur. no.11:45-49 '64. (MIRA 18:5)

SHURA-BURA, B.L.; IVANOV, K.G.

Disinfection of apparatus for intestinal lavage. Vop. kur., fizioter.
i lech. fiz. kul't. 29 no.4:357-361 31-Ag '64. (MIRA 18:9)

1. Kafedra obshchey i voyennoy epidemiologii Voenno-meditsinskoy
ordana lechiva akademii imeni Kirova, Leningrad.

SHURA-BURA, M. R.

"Theory of the Spectra of Bicomact Spaces." Sub 21 May 47, Moscow
Order of Lenin State U imeni M. V. Lomonosov

Dissertations presented for degrees in science and engineering in
Moscow in 1947 - for *Cand. Phys.-math. Sci.*

SO: Sum No. 457, 18 Apr 55

SHURA-BURA, M. R.

Šura-Bura, M. R. Evaluation of an integral containing a product of Bessel functions. Doklady Akad. Nauk SSSR (N.S.) 73, 901-903 (1950). (Russian)

It is known that (*) $\int_0^\infty e^{-at} J_0(bt) J_1(ct) dt$ can be expressed as a finite integral, and that the integral in question is an elliptic integral. The author carries out the reduction to a complete elliptic integral of the third kind and thereby proves that (*) is equal to $c^{-1}(1 - \Lambda_0(\alpha, \beta))$, where Λ_0 is a function for which numerical tables are available [Heuman, J. Math. Phys. 20, 336 (1941); these Rev. 3, 152].

A. Erdélyi (Pasadena, Calif.)

Source: Mathematical Reviews,

Vol. 1, No. 4

SHURA-BURA, M. R.

Lyusternik, L. A., and Šura-Bura, M. R. Mihail Alekseevič
Lavrent'ev (for his 50th birthday). Uspehi Matem. Nauk
(N.S.) 6, no. 1(41), 190-192 (1 plate) (1951). (Russian)

Source: Mathematical Reviews,

Vol. 13 No. 1

SHURA-BURA, M. R.

Šura-Bura, M. R. Estimation of errors in the computation
of inverses of matrices of high order. Uspehi Matem.
Nauk (N.S.) 6, no. 4(44), 121-150 (1951). (Russian)
An exposition of the results of a paper by von Neumann
and Goldstine [Bull. Amer. Math. Soc. 53, 1021-1099
(1947); these Rev. 9, 471].

Soviet

Source: Mathematical Reviews,

Vol 13 No. 3

SHURA-BURA, M. R.

Šura-Bura, M. R. A probability estimate of the error in the solution on electrical networks of a finite-difference equation approximating the Dirichlet problem for the Laplace equation. Doklady Akad. Nauk SSSR (N.S.) 78, 21-24 (1951). (Russian)

The dispersion of the error in potential at a node of a rectangular $(m+1)$ by $(m+1)$ resistance network, due to lack of equality (dispersion σ^2) of the resistances, is found to be not greater than $\sigma^2 K^2 \ln [2^{3/2} \max(n, m)]$ where K is a bound for the difference of potential at any two adjacent nodes. It is pointed out that the solution obtained by M. L. Byhovskii [Izvestiya Akad. Nauk SSSR. Ord. Tehn. Nauk 1950, 399-526; these Rev. 12, 446] for the same problem contains a third factor which is necessary. Noting the occurrence in the argument of the finite form of Green's function for the rectangular domain, the result is given in a form valid for arbitrary domains and any number of variables. Combining this with a result communicated to the author by A. N. Kolmogorov gives

$$\frac{\ln n}{4\pi n^2} \left[\left(\frac{\partial u}{\partial x} \right)^2 + \left(\frac{\partial u}{\partial y} \right)^2 \right]$$

as an asymptotic expression for the dispersion at the point (x, y) within an arbitrary boundary where u is the exact solution. R. Churchill (Monterey, Calif.)

Churchill

4000

Source: Mathematical Reviews,

Vol 13 No. 2

SHURA-BURA, M. R.

"The Solution of a Finite-Difference Equation Approximating the Dirichlet Problem for Laplace's Equation on Electrical Networks" (Numerical and Graphical Methods)
Vychisl, matem. i vychisl. tekhnika, No 1, 1953, pp 46-55

Abs

W-31146, 1 Feb 55

Detailed exposition of work reported in Dokl. Ak. Nauk, SSSR (N.S.) 78, 21-24 (1951)

SHURA-BURA, M. R.

9909

Shura-Bura, M. R. Projection spectra and spaces defined
by them. Mat. Sb. N.S. 36(78) (1955), 93-110. (Russian) I - F/7

Continuing the work of P. S. Aleksandrov [Ann. of Math. (2) 30 (1928), 101-187] and A. Kuroš [Compositio Math. 2 (1935), 471-476], the author considers the general projection spectrum $K = \{K_\alpha, \varrho_\alpha^\beta\}$; here α, β run through a directed set A , K_α is a finite simplicial complex, ϱ_α^β is a collection of simplicial maps from K_α to K_β for $\beta > \alpha$, the set of ϱ_α^β is closed under composition, the various ϱ_α^β -images of a simplex x of K_β have a smallest common carrier simplex of K_α , $\pi_\alpha^\beta x$ means the complex consisting of this carrier simplex and its faces. A projective set in the spectrum K is a set such that for any finite subset x_α , the π_α^β -inverse images have non-empty intersections for arbitrarily large β . A thread is a maximal projective set; its intersection with any K_α consists of a simplex (called its representative in K_α) and all its faces. The set of threads is made into a compact T_1 space by defining neighborhoods (all threads whose representative at a finite number of indices are faces of the representatives of

Handwritten: ... T_2 ...

the given thread). A spectrum is an H -spectrum if for any two threads there is an α such that the two representatives in K_α have no face in common; the corresponding space is then T_2 .

Handwritten: 2/3

A simplex is essential if it is π_n^c -image for arbitrarily large β . The essential subspectrum defines the same space, provided it and K are H -spectra. A cofinal subspectrum defines the same space again provided it and K are H -spectra. Examples show that it is not sufficient to assume the corresponding spaces T_1 . For families of finite closed coverings of a (compact T_1) space the concepts "directed", "arbitrarily fine", "full" are defined; they are somewhat more restrictive than the usual definitions. Any family

defines a spectrum in the customary manner (nerves of the coverings), and it is shown that for directed, arbitrarily fine families the space associated with the spectrum is homeomorphic with the original space. Moreover, a space R^* is image of a space R if and only if it is homeomorphic with the space associated with the spectrum of some directed full family for R . A spectrum K defines a family of coverings of its associated space in a natural way; this family is investigated. In particular, K is an H -spectrum if and only if this family is arbitrarily fine.
H. Samelson (Ann Arbor, Mich.)

T J F W

2/3

RDW
JAN

SHURA-BURA, M. R., Dr. of Phys. Math. Sci. and TRIFONOV, N. P., Cand. in Phys. Math. Sci.

"Experience in Programming and Solving Certain Mathematical Problems with the M-2 Machine of the EMIN of the Academy of Science USSR at the Moscow State University" a paper presented at the Conference on Methods of Development of Soviet Mathematical Machine-Building and Instrument-Building, 12-17 March 1956.

Translation No. 596, 8 Oct 56

KELDYSH, M.B., akademik; LYAPUNOV, A.A., doktor fiziko-matematicheskikh nauk; SHURA-BURA, M.R., doktor fiziko-matematicheskikh nauk.

Mathematical problems in the theory of calculating machines.
Vest.AN SSSR 26 no.11:16-37 N '56. (MLRA 9:12)
(Electronic calculating machines)

SHURA-BURA, N. R.

"The Possibility of Using the Means of Computation Engineering for a Transformation of any Informations Including those of Automatic Translation from one Language into the Other."

Inst. Math. in Steklov AS USSR

report presented at the Conference on Automation and Computation Engineering, Moscow, 5-8 March 1957. Organized by AV Sci. Eng. and Tech. Society for Apparatus Building.

SOV/112-58-2-2658

Translation from: Referativnyy zhurnal, Elektrotehnika, 1958, Nr 2, p 137 (USSR)

AUTHOR: Keldysh, M. V., Lyapunov, A. A., and Shura-Bura, M. R.

TITLE: Mathematical Problems of the Theory of Computers
(Matematicheskiye voprosy teorii schetnykh mashin)

PERIODICAL: V sb.: Sessiya AN SSSR po nauchn. probl. abtomatiz proiz-va, 1956. Plenarn. zasedaniya. M., AS USSR, 1957, pp 100-130, discussion pp 148-161

ABSTRACT: The mathematical, logical, and technical principles of electronic computers can be used in creating new automatic devices, the functioning of which can be specified by a definite sequence of logical or arithmetical operations. From this standpoint, principles of digital and analog computers are set forth, as well as the mathematical bases of their functioning. Methods for automatically realizing a number of algorithm-forming processes are considered: mathematical-problem programming, interlingual translation, data processing, production-process control, dispatcher control, etc. Some

Card 1/2

SOV/112-58-2-2658

Mathematical Problems of the Theory of Computers

cybernetics problems are examined, cybernetics being defined as the science of the creation and structural analysis of algorithms that depict surrounding phenomena and the science that describes the algorithms.

M. Ya. G.

Card 2/2

SHURA-BURA, M.R.

Approximation of functions of several variables by functions each
of which is depending on one variable. Vych.mat. no.2:3-19 '57.
(MIRA 10:12)

(Functions) (Integral equations)

SHURA-BURA, M.R

16(1); 28(2)

PHASE I BOOK EXPLOITATION

SOV/2291

Zhogolev, Yevgeniy Andreyevich, Gennadiy Stepsnovich Roslyakov, Nikolay Pavlovich Trifonov, and Mikhail Romanovich Shura-Bura, Professor

Sistema standartnykh podprogramm (System of Standard Subroutines) Moscow, Fizmatgiz, 1958. 230 p. (Series: Biblioteka prikladnogo analiza i vychislitel'noy matematiki) 8,000 copies printed.

Sponsoring Agency: Moskovskiy gosudarstvennyy universitet. Kafedra vychislitel'noy matematiki.

Ed. (Title page): Mikhail Romanovich Shura-Bura, Professor; Ed. (Inside book): Yu. M. Bezborodov; Tech. Ed.: S. N. Akhlanov.

PURPOSE: This book is intended for persons working in the field of computer mathematics as well as students specializing in this field and others interested in the problems of performing operations on high speed digital computers.

COVERAGE: The book is basically a description of a system of standard

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SOV/2291

System of Standard Subroutines

subroutines which were applied at the Vychislitel'nyy tsentr (Computing Center) of Moscow State University in 1955-1956. The book consists of an introduction and two parts. In the introduction, principles of construction and operation of high speed digital computers and basic programming concepts and methods are discussed. In the first part is described the M-2 computer, located in the Laboratoriya upravlyayushchikh mashin i sistem (Control Machine and Systems Laboratory) of the Academy of Sciences, USSR, and built under the supervision of I. S. Bruk, Corresponding Member of the Academy. The peculiarities of programming and selecting a system of standard subroutines for this machine are discussed. In the second part of the book are found certain subroutines from the library suitable for the system selected. Although the subroutines have been selected with a specific machine in mind, the system as well as the algorithms can be completely and successfully applied to various automatic digital computers. These subroutines as well as the contents of the book were discussed at sessions of a seminar in which Academician S. L. Sobolev, Professor K. A. Semendyayev, and Docent I. S. Perezin took part together with coworkers of the Computer Center. The authors thank the latter for their valuable remarks, and also thank V. M. Vasil'yev and E. M. Yerzhova, both of the Computing Center at Moscow State University, for composing with

Card 2/7

sov/2291

System of Standard Subroutines

the authors the programs included in Chapter VII. They also thank Yu. M. Bezborodov for editing the book. There are 4 references: 2 Soviet and 2 English.

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3. Binary system of representing numbers	18

PART I.

Ch. I. Description of the M-2 Computer	29
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2. Characteristics of various devices of the computer	31
3. Representation of numbers and commands in the computer. Accepted symbols	40
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Card 3/7

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S/112/59/000/015/031/068
A052/A002

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, No. 15, p. 153,
32053

AUTHORS: Kamynin, S.S., Lyubimskiy, E.Z., Shura-Bura, M.P.

TITLE: Automation of Programming by a Programming Routine

PERIODICAL: V sb.: Probl. kibernetiki, No. 1, Moscow, Gos. izd-vo fiz.-mat.
lit., 1958, pp. 135-171

TEXT: Basic information is given on the programming of problem solutions on digital computers. A method of programming by means of generalized commands-operators is described. These command-operators include certain algorithms the representation of which in a form of a sequence of elementary operations can be delegated to the machine itself by a program given once and for ever. The generalized commands-operators are divided into the main and auxiliary ones. To the former belong arithmetic, logical and re-addressing commands-operators; input and preservation commands-operators and a nonstandard command-operator belong to the latter. The task of the programmer consists in giving the arrangement of commands-operators and the information to each of them in form of a line of

Card 1/2

16(1)

AUTHORS:

Skoryy, I.A., University Lecturer, and SOT/55-58-2-33/55
Kopytov, V.D., Scientific Assistant;

TITLE:

Lomonosov - Lectures 1957 at the Mechanical-Mathematical
Faculty of Moscow State University (Lomonosovskiy
cheniya 1957 goda na mekhaniko-matematicheskoy fakul'tete
MSU)

PERIODICAL:

Vestnik Moskovskogo Universiteta, Seriya matematiki, mekhaniki,
astronomiya, fiziki, khimiya, 1958, No. 2, pp. 241-246 (USSR)

ABSTRACT:

The Lomonosov lectures 1957 took place from October 17 -
October 31, 1957 and were dedicated to the 40-th anniversary
of the October revolution.
In the general meeting A.Y. Kolesnikov, Academician spoke
"On Approximate Representation of Functions of Several
Variables by Superposition of Functions With Less Variables
and ϵ -Entropy of Classes of Functions". The lecture generalizes
the results of Kolmogorov, A.G. Vitushkin, V.I. Arnold and
V.M. Tikhomirov. The contents has been already published
(Sobremennyye Akademi i nauk SSSR, 1945). Professor Kh.A. Rakhmatulin,
Member of the Academy of Sciences of the USSR, spoke on
"Investigation of the Boundary Layer of the Motion of a two-
Component Liquid".

- The other lectures were given separately in the sections
mechanics and mathematics. The following lectures were given.
8. A.A. Pavlenko, Lecturer, Generalization of the Theory
of the Transverse Shock Against a Flexible Thread.
 9. A.G. Kulikovskiy, Aspirant, Flow Around Magnetized Bodies
by Conducting Liquid.
 10. E.Y. Yeresova, Lecturer, Instruments for the Analysis
and Synthesis of Mechanisms.
 11. V.S. Lankin, Lecturer, Some General Laws in the Be-
havior of Multiply Loaded Metals.
 12. V.D. Klyushnikov, Aspirant, A Variant of the Theory of
the Increase of Deformation and Elasto-Plastic Stability.
 13. Professor A.L. Likhik and Professor L.A. Lyubimov,
Analytic Behavior of the Solutions of Linear Equations
With Small Parameter in the Derivatives.
 14. Professor O.I. Gleyzik, Some Non-Linear Partial
Differential Equations (Survey of the Results of T.D.
Ventsel', Chouh Iy-Lin', E.D. Vvedenskiy, A.S. Malash-
nikov, Ye.S. Sabinin, S.I. Lashchenko).
 15. Professor E.H. Shmal'gin and P.Y. Elifonov, Senior
Scientific Assistant, Automation and Programming.

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JHURA-BURA, M.R.

16(0)

PHASE I BOOK EXPLOITATION SOV/3177

Matematika v SSSR za sponk let, 1917-1957 tem I: Obzornyye stat'i (Mathematics in the USSR for forty years, 1917-1957) Vol I: Review Articles) Moscow, Fizmatgiz, 1959. 1002 p. 5,500 copies printed.

Eds: A. G. Kurosh, (Chief Ed.), V. I. Bityutskov, V. G. Belyanaky, Ye. B. Dynkin, G. Ye. Shilova, and A. P. Yushkevich, Ed. (inside book): A. P. Lapko; Tech. Ed.: S. N. Akhramov.

PURPOSE: This book is intended for mathematicians and historians of mathematics interested in Soviet contributions to the field.

COVERAGE: This book is Volume I of a major 2-volume work on the history of Soviet mathematics. Volume I surveys the chief contributions made by Soviet mathematicians during the period 1917-1957; Volume II will contain a bibliography of major works since 1917 and biographic sketches of some of the leading mathematicians. This work follows the tradition set by two earlier works: Matematika v SSSR za pyatnadtsat' let (Mathematics in the USSR for 15 years) and Matematika v SSSR za tridtsat' let (Mathematics in the USSR for 30 years). The book is divided into the major divisions of the field, i.e., algebra, topology, theory of probabilities, functional analysis, etc., and contributions and outstanding problems in each discussed. A listing of some 1400 Soviet mathematicians is included with references to their contributions in the field.

L'zapnov, A. A. Mathematical Studies Connected With the Use of Computers

- 1. Theoretical studies in programming
- 2. Monarithmathical use of computers
- 3. Theoretical studies of control systems
- 4. Certain other problems of mathematical cybernetics

Sura-Bura, M. R. Programming

Bakhtvalov, S. V. Monography

Cheverukhin, M. F. Descriptive Geometry and its generalization

- 1. Fundamental theorem of axonometry and its generalization
- 2. Multidimensional descriptive geometry
- 3. Parametric method of studying images. Positional and metric completeness
- 4. Other problems

Vasil'ev, A. M., Jordan, A. P., and Pivkov, S. P. Differential Geometry

- 1. Problems of classical differential geometry and their generalizations
- 2. Riemann spaces and spaces of affine connection
- 3. Theory of nets
- 4. Induced connections
- 5. Complex spaces
- 6. Theory of geometric objects

Yafisov, M. V. Geometry "in the Large"

- 1. Geometry on a convex surface
- 2. Single valued determination of convex surfaces
- 3. Regularity of convex surfaces with regular metric
- 4. General theory of surfaces. Polyhedra
- 5. Existence, uniqueness, and regularity of surfaces under given conditions of Gaussian curvature.
- 6. Certain nonlinear boundary value problems of singularity of surfaces given a function of the principle curvatures
- 7. Arithmetic invariants. Theorems on local deformation
- 8. Infinitesimal bendings
- 9. Certain results on synthetic geometry

Yushkevich, A. P. The History of Mathematics

- 1. Introduction
- 2. Mathematics of the ancient East
- 3. Mathematics of ancient Greece
- 4. Mathematics in the Middle Ages
- 5. Works of modern mathematicians
- 6. Works on the history of various disciplines and problems; works of a general nature

Author's Index

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16(1), 16(2)
 AUTHORS: Leonidov, K.S., and Babova, E.S. SOV/42-14-1-21/27
 TITLE: New Publications on Applied Analysis and Numerical Mathematics (Novye izdaniya po prikladnomu analizu i vychislitel'noy matematike)

PERIODICAL: Uspeshi matematicheskikh nauk, 1959, Vol 14, Nr 1, pp 261-265 (USSR)
 ABSTRACT: It is stated that in the USSR there exists no periodical on numerical mathematics and similar domains. The papers of these domains chiefly appear in the series "Publications on Applied Analysis and Numerical Mathematics" (SPAN) and in single collected volumes. The series SPAN began in 1955 and until now it contained the following monographies: 1. G.S. Sakhov "Calculations in the Approximate Analysis", 2. A.F. Khovanskii "Application of Continued Fractions to the Stability of Difference Equations", 3. V.S. Ryaben'kiy, A.F. Filippov "Stability of Difference Equations", 4. G.S. Khovanskii "Non-linear Arithmetic Series of Electronic Digit Apparatus", 5. Yu.V. Zhorobiyev "Momentum Method in Applied Mathematics", 6. Ye.I. Zhogolev, G.S. Sosulyakov, M.P. Trifonov, M.R. Shura-Bura "System of Standard Subprograms".

There appeared the following collected volumes: "Numerical Mathematics and Computing Technics" (NMT) since 1953, "Numerical Mathematics" (NM) since 1957, and "Computing Technics" (CT) since 1958. Until now two volumes of NMT appeared with contributions of V.I. Dittin, L.A. Kuznetsov, A.I. Ivanova, A.A. Abramov, M.R. Shura-Bura, V.I. Shestakov, A.I. Vorobyev, G.S. Khovanskii, L.V. Kochet, Ye.M. Buzanovskiy, L.M. Karasina, V.K. Saulyev, I.M. Itsin, E.A. Tolson, L.I. Outenbacher, G.K. Kurilnikov, L.S. Kiribukova, L.A. Lyusternik, Yu.V. Vorobyev, Ye.A. Volkov, V.K. Saulyev, L.M. Itsin, M.R. Shura-Bura, P.I. Cherkhin, O.M. Katkova, Yu. V. Kapitsa, M.S. Shura-Bura, P.I. Cherkhin, O.M. Katkova, Yu. V. Shvachinskiy, V.S. Litskiy, M.R. Shura-Bura, B.M. Drozdov, A.G. Gerasimov, V.S. Vladimirov, L.S. Kiribukova, A.I. Izziyeva, I.M. Sobol', V.K. Katlov, O.M. Belotserkovskiy. The first volume of CT contains contributions of O.I. Shcherbakov, P.Y. Mayorov, P.P. Goloriatnikov, Ye.A. Volkov, L.E. Fozdov, E.Ye. Matyushin, O.V. Gornitskiy, Yu.K. Glukhov, Ye.I. Maslov.

Besides in 1958 Yu.Ye. Maslovskiy edited the collected volume "Questions of the Theory of Mathematical Machines" (Voprosy teorii matematicheskikh mashin) with contributions of Yu.Ye. Maslovskiy, I.Ye. Arushakiy, Yu.A. Shroyder, E.A. Glusberg, I.N. Khabarov, B.I. Maslov, V.S. Litskiy, L.A. Kosharskiy.

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LIDSKIY, Viktor Borisovich; OVSYANNIKOV, Lev Vasil'yevich; TULAYKOV, Anatoliy Nikolayevich; SHABUNIN, Mikhail Ivanovich. Prinimali uchastiye: ABRAMOV, A.A.; BOCHEK, I.A.; YEVGRAFOV, M.A.; ZYKOV, A.A.; KARABEGOV, V.I.; KARIMOVA, Kh.Kh.; KUDRYAVTSEV, L.D.; KUTASOV, A.D.; SHURA-BURA, M.R.; SHCHEGLOV, M.P. SOLODKOV, V.A., red.; KRYUCHKOVA, V.N., tekhn.red.

[Problems in elementary mathematics] Zadachi po elementarnoi matematike. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1960. 463 p. (MIRA 14:1)

(Mathematics--Problems, exercises, etc.)

SHURA-BURA, M.R., doktor fiz.-mat.nauk

Algol, an algorithmic language for describing computer
processes. Vest.AN SSSR 30 no.11:94-97 N '60. (MIRA 13:11)
(Programming (Electric computers))

TRIFONOV, Nikolay Pavlovich, red. SHURA-BUHA, Mikhail Romanovich, red.;
BEZBORODOV, Yu.M., red.; PLAKSHE, L.Yu., tekhn. red.

[System for automating programming operations] Sistema avtomatiza-
tsii programmirovaniia. Moskva, Gos.izd-vo fiziko-matem.lit-ry,
1961. (MIRA 14:12)

(Programming (Electronic computers))